

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented) A lighting device with an optical waveguide plate that has a light emission surface and a plurality of channels each for accommodating at least one substantially linear light source, wherein said channels are covered with a first reflecting layer at their upper sides facing the light emission surface, and the coupling of the light into the optical waveguide plate takes place through side walls of the channels.

2. (Previously presented) The lighting device of claim 1, wherein the side walls of the channels extend substantially perpendicularly to the light emission surface, and the upper sides of the channels extend substantially parallel to the light emission surface.

3. (Previously presented) The lighting device of claim 1, wherein the channels are covered with a second reflecting layer at their lower sides opposite to the upper sides.

4. (Previously presented) The lighting device of claim 1, wherein the channels have a substantially rectangular cross-section.

5. (Previously presented) The lighting device of claim 1, wherein the channels are embedded in a lower side of the optical waveguide plate opposed to the light emission surface.

6. (Previously presented) The lighting device of claim 1, wherein the optical waveguide plate a plurality of optical waveguide elements in which the channels are provided and which are optically fixedly connected to the lower side of the optical waveguide plate opposite to the light emission surface.

7. (Previously presented) The lighting device of claim 1, wherein the at least one light source is a low-pressure gas discharge lamp.

8. (Previously presented) A lighting device with an optical waveguide plate that has a light emission surface and a plurality of channels each for accommodating at least one substantially linear light source, wherein:

the channels are covered with a first reflecting layer at their upper sides facing the light emission surface, and the coupling of the light into the optical waveguide plate takes place through side walls of the channels;

the channels are covered with a second reflecting layer at their lower sides opposite to the upper sides; and

the second reflecting layer extends over the lateral surfaces and the lower side of the optical waveguide plate.

9. (Previously presented) The lighting device of claim 8, wherein the second reflecting layer has a spacing forming an air gap from the optical waveguide plate.

10. (Previously presented) The lighting device of claim 1, wherein the first reflecting layer has a continuation in the form of a first portion extending in horizontal direction into the optical waveguide plate.

11. (Previously presented) The lighting device of claim 1, wherein the first reflecting layer has a continuation in the form of a second portion extending along the side walls of the channels.

12. (Previously presented) A lighting device with an optical waveguide plate that has a light emission surface and a plurality of channels each for accommodating at least one substantially linear light source, wherein:

the channels are covered with a first reflecting layer at their upper sides facing the light emission surface;

the coupling of the light into the optical waveguide plate takes place through side walls of the channels; and

the edges of the channels situated opposite the upper side are surrounded by a third reflecting layer.

13. (Previously presented) A liquid crystal display including the lighting device of claim 1.

14. (Previously presented) A liquid crystal display including the lighting device of claim 2.

15. (Previously presented) A liquid crystal display including the lighting device of claim 3.

16. (Previously presented) A liquid crystal display including the lighting device of claim 4.

17. (Previously presented) A liquid crystal display including the lighting device of claim 5.

18. (Previously presented) A liquid crystal display including the lighting device of claim 8.

cont. 19. (Previously presented) A liquid crystal display including the lighting device of claim 9.

20. (Previously presented) A liquid crystal display including the lighting device of claim 12.
